Simpler & Smarter Networking for SMBs

iPECS

ES-1000 Series

iPECS Ethernet Switch ES-1000 Series

ES-1000 UNMANAGED SWITCHES ARE AN EXCELLENT FIT FOR SOHO AND SMALL BUSINESSES SUPPORTING PLUG AND PLAY INSTALLATION AND DELIVERING WIRE-SPEED PERFORMANCE.

Key Benefits

- Plug-and-play installation
- Full-Duplex Wire-Speed Switching
- Industry Standards Compatibility
- Embedded Simple QoS
- Environmentally-Friendly design

Plug & Play Installation

LG-Ericsson iPECS ES-1000 Fast Ethernet Switches provide a true plug and play installation experience for connecting network devices. With the auto-negotiation and auto-MDI/MDIX implemented, these switches easily connect to the network, automatically sense the network speed between 10M and 100Mbps, auto-negotiate the transmission mode at half or full duplex and remove the complexity of tedious setup procedures or cross-over cabling requirements.

Each product interoperates seamlessly with the customers' existing network at full performance without any additional configuration and it is easy to diagnose and monitor the operational status and activity with the per-port diagnostic LEDs

Full-Duplex Non-Blocking Wire-Speed Switching

LG-Ericsson iPECS ES-1000 Switches can transmit and receive traffic seamlessly in full-duplex mode and at non-blocking wire-speed. Each port supports seamlessly up to 200Mbps of bandwidth for transmitting and receiving packets in full-duplex mode. In addition, each port supports auto uplink capabilities making it straightforward to design the ES-1000 Switches into your existing network.

Industry Standards Compatibility

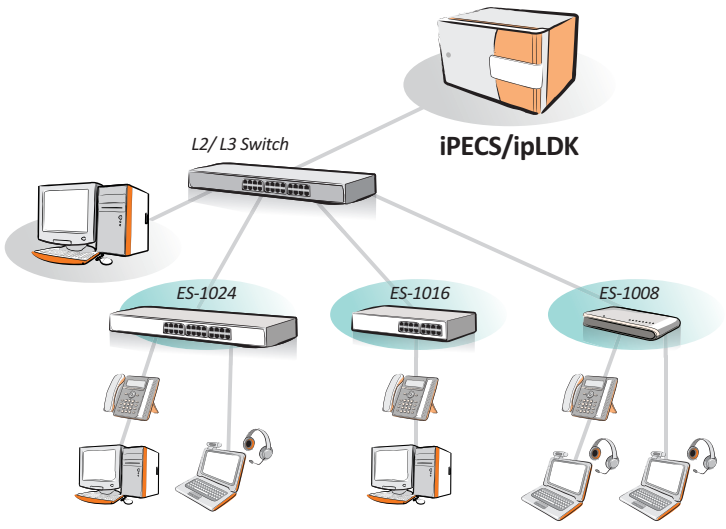
LG-Ericsson iPECS ES-1000 Fast Ethernet Switches are compatible with the major industry standards such as IEEE 802.3, 802.3u, 802.3x. These switches can be seamlessly built into the customers' existing networks and deliver the highly reliable performance needed to support SMB IT networks.

Embedded Simple QoS

In addition to the industry standards switch features, LG-Ericsson iPECS ES-1000 Switches incorporate a simple QoS mechanism based on 802.1p tagging and IP TOS. This mechanism uses priority queues, permitting the customer's network to deal with VoIP traffic in a higher priority. These switches are optimized for small offices to set-up a simple VoIP network with a minimum investment and fully take advantage of the benefits of IP Telephony. 802.1p tagging and IP TOS based QoS are pre-configured at the factory based on industry standard values.

Environmentally-Friendly Design

In today's world, it is critical to build an environmentally-friendly network. Even though the LG-Ericsson ES-1000 Fast Ethernet Switches are entry-level unmanaged switches, they are designed to reduce power consumption based on Link status and cable distance. In addition, their compact size helps reduce both the office and the overall carbon footprint.



LG-ERICSSON

Technical Specifications

	Detailed list	ES-1005	ES-1008	ES-1016	ES-1024
Design					
	Enclosure	Plastic	Plastic	Metal	Metal
Performance	Switching Fabric Capacity (Gbps)	1	1.6	3.2	4.8
	Packet Buffer	0.375Mbits	3.6Mbits	1.25Mbits	1.5Mbits
	MAC Address Capacity	2K	2K	4K	4K
	Jumbo Frames support	-	-	-	-
	Auto-negotiation	Yes	Yes	Yes	Yes
	Auto-MDI/MDIX	Yes	Yes	Yes	Yes
Ports	Type of Service ports	10/100Base-TX	10/100Base-TX	10/100Base-TX	10/100Base-TX
	10/100Base-TX Ports per Unit	5	8	16	24
Built-in QoS	802.1p priority based	-	Yes	Yes	Yes
	IP TOS(DSCP) based	-	Yes	Yes	Yes
	Number of Queues	-	2	4	2
	Strict/WRR/WFQ	-	Strict	WRR	Strict
Green Ethernet	IEEE802.3az EEE (Energy Efficient Ethernet)	Yes	Green Savings (Cable distance & Link up/down)	Green Savings (Cable distance & Link up/down)	Green Savings (Cable distance & Link up/down)
Dimensions	19" Rack Space (EIA Standard RU)	No	No	Yes	Yes
	Height (mm)	25	30	44	44
	Width (mm)	88.6	160	280	440
	Depth (mm)	65.8	80	135	140
	Weight (Kg)	0.09	0.18	1.15	1.72
Power	100 ~ 240 VAC, 50/60Hz	Yes	Yes	Yes	Yes
	Power Supply	External(5V, 0.6A)	External(9V, 0.5A)	Internal (100V-240V)	Internal (100V-240V)
	Max power consumption(Watts)	1.5W	3.8W	7W	12W
Environmental	Operating Temperature (°C)	0 to 40 °C	0 to 40 °C	0 to 40 °C	0 to 40 °C
	Storage Temperature (°C)	–10 to 70 °C	0 to 70 °C	0 to 70 °C	0 to 70 °C
	Operating Humidity (non-condensing)	5% to 90%	5% to 90%	5% to 90%	5% to 90%
	Storage Humidity (non-condensing)	5% to 90%	5% to 90%	5% to 90%	5% to 90%
Certifications	EMC Compliance - FCC	Yes(Class A)	Yes(Class B)	Yes(Class A)	Yes(Class A)
	EMC Compliance - CE	Yes	Yes	Yes	Yes
Environmental Regulation Compliance	WEEE	Yes	Yes	Yes	Yes
	RoHS	Yes	Yes	Yes	Yes

LG-Ericsson USA, Inc. www.lgericssonus.com
20 Mason, Irvine, CA 92618

This document is for general guidance purposes only. The information provided in this document is valid as of the date of its publication and is subject to change without notice. LG-Ericsson USA, Inc. assumes no responsibility for any errors or omissions in this document that results in your misunderstanding.
Copyright 2011. LG-Ericsson USA, Inc. All rights reserved
v2